

AceleMax® AXG-728AM2

7U Dual Socket AMD EPYC 9005 Series Processors 8x AMD Instinct™ MI355X Accelerators Server



Features

- Powered by dual AMD next Gen processors, with DDR5 RDIMM up to 6000MHz 1DPC
- CPU maximum TDP up to 400W
- Powerful Performance
- Enhanced IT-infrastructure management

Applications

- High Performance Computing
- Generative AI
- Deep Learning / Machine Learning
- Data Analysis
- Scientific Research
- AI Inferencing

Specifications

Processor Support	• 2 x AMD EPYC 9005 Processors (Up to TDP 400W)
Core Logic	• (INTEGRATED I/O – NO CHIPSET)
GPU Support	• AMD Instinct MI355X Platform with 8 MI355X OAM GPUs
CPU	• 32x AMD EPYC™ 9005 processors
Memory	• Total Slots: 24x DDR5 DIMM slots, up to 6000MHz(1DPC) • Capacity: (12-channel per CPU, 12 DIMM per CPU) • Memory Type: Maximum up to 3TB • Memory Size: DDR5 6400/5600 RDIMM 128GB, 96GB, 64GB
Expansion Slots	• Total PCI/PCI-X/PCI-E/PIKE Slots: Up to 11 PCIe slots • Slot Type: [89104 PCIe Switch directly] -8 x PCIe Gen5 x16 (LP, HL) – GPU group [89048 PCIe Switch directly] -1 x PCIe Gen5 x16 (FH, HL) – CPU 1 extension -1x PCIe Gen5 x8 (FH, HL) – CPU 1 extension [CPU directly] -1 x PCIe Gen5x16 (FH, HL) (CPU2)
Disk Controller	NVMe Controller: 2 x M.2 Gen5 x4 (22110, 2280, 2260) • Optional kits: - Broadcom MegaRAID 9540-8i - Broadcom MegaRAID 9560-16i SATA/SAS Controller: • Optional kits: - AMAX PIKE II 3008-8i/3108-8i - Broadcom MegaRAID 9540-8i - Broadcom MegaRAID 9560-16i
Storage Bays	• I = internal: 10 x 2.5" hot-swap bays • A or S will be hot-swappable: - 8 x NVMe + 2 x NVMe/SATA*/SAS* *HBA/ RAID card is required to support SAS hard drives
Networking	• LAN: 1 x Management Port
Graphic	• VGA: Aspeed AST2600 64MB

Specifications	
Front I/O Ports	• 4 x USB3.2 Gen1 ports • 1 x VGA port • 2 x 10Gb RJ45 LAN module (Intel-x710 Based) • 1 x Mgmt LAN • 1 x locate button • 1 x power button
Rear I/O	• 1 x locate button • 1 x power button
Switch/LED	Front: • 1 x Power Button/LED • 1 x Location Button/LED • 1 x Message LED • 1 x Q-Code/Port 80 LED Rear: • 1 x Location LED • 1 x Power Button/LED
Management Solution	• Software: AMAX Control Center (Classic) • Out of Band Remote Management: On-Board AB11-iKVM for KVM-over-IP
Power Supply (following different configuration by region)	• 5+1 Redundant 80 PLUS 3000W Titanium PSU
Environment	• Operation temperature: 10°C ~ 35°C • Non operation temperature: -40°C ~ 70°C • Non operation humidity: 20% ~ 90% (Non condensing)
Dimensions	• 885mm x 447mm x 306.65mm • 34.8" x 17.6" x 12"

